J216
J220
J320
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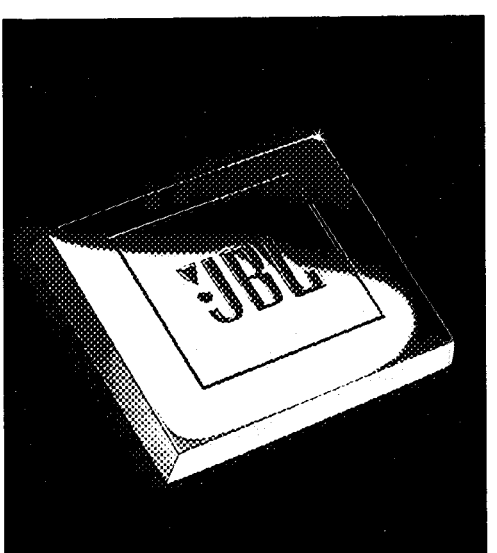
J350

Instruction Manual



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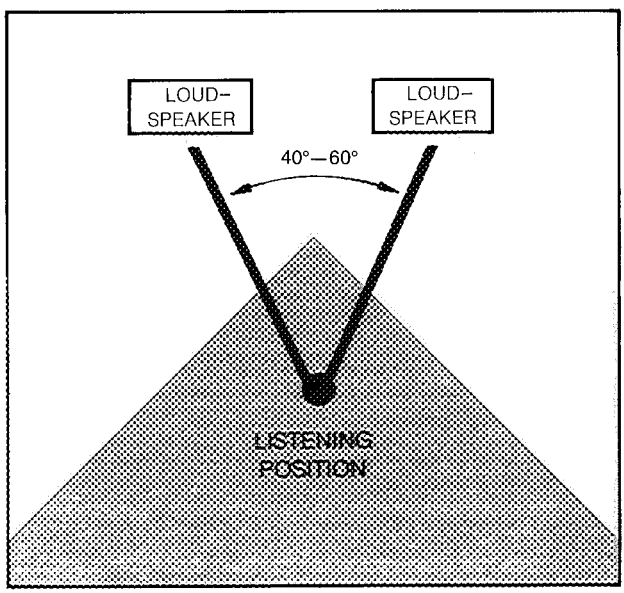
Congratulations on choosing JBL loudspeakers. Their high accuracy, low distortion, and wide dynamic capabilities will greatly increase your enjoyment of recorded music. JBL speakers are built with careful attention to detail, using only the highest-quality materials. They will provide many years of excellent performance.

The brief instructions in this manual explain proper placement and connections to help you realize the full potential of your JBL loudspeakers.

Placement

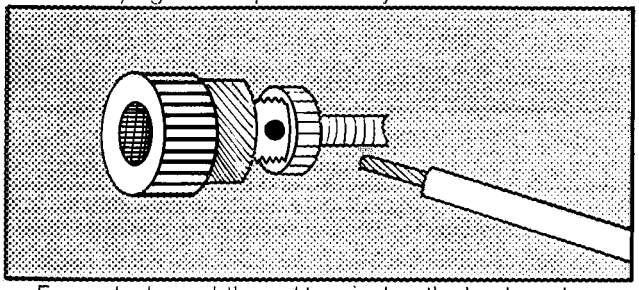
For the best stereo reproduction, the two loudspeaker systems should be equally distant from your listening position and separated so that the angle between them, at the listening position, is between 40° and 60°. (See illustration.) For example, if your listening position is 8 to 12 feet from each speaker, the two systems should be about 8 feet apart.

Placing the loudspeakers in corners or against a wall will result in the strongest (but not necessarily the most accurate) bass. Compact systems will also benefit from placement on a stand or shelf. For the best stereo imaging, we recommend that the systems be placed so that the high frequency drivers are as close as possible to the ear level of a seated listener. Every room is different—don't hesitate to experiment with placement in yours.



To connect the loudspeaker systems to the receiver or amplifier, use two-conductor insulated wire. Your JBL dealer can recommend suitable cables, or you can buy wire at most hardware stores. We recommend #18 AWG (1 mm diameter) wire as a *minimum* size. If your speakers are more than 30 feet (10 m) from your receiver or amplifier, use larger diameter wire.

Connections are made at the binding posts located on the back of the loudspeaker system, near the bottom edge. The terminals accept banana plugs or spade lug connectors, either of which will provide easy, secure connections. The terminals will also accept bare wire. To prepare the wire, strip approximately ½-inch (13 mm) of insulation. Each conductor is made up of fine strands of wire; twist the strands together. Partially unscrew the plastic nut on each terminal, and insert the wire through the hole in the post. (See illustration.) Tighten the plastic nut by hand.



For each channel, the red terminal on the loudspeaker should be connected to the red or (+) loudspeaker connection terminal on the receiver or amplifier, and the black terminal on the loudspeaker should be connected to the black or (−) terminal on the receiver. Connecting the loudspeakers in this manner ensures that they will be in phase; that is, work together rather than in opposition. Connecting the loudspeakers out of phase will not damage them, but will result in less bass and poor imaging. Most two-conductor wire is color-coded or has a ridge on one of its insulating jackets, so that you can easily identify which wire is connected to which terminal.

General Care

The grille is held in place by dowel pins near the edges. To remove it, grasp it by both top or both bottom edges and pull gently. To replace the grille, reposition it on the dowel pins and press gently at the corners. Do not push on the center area of the grille.

The loudspeaker systems are finished on all sides in vinyl, and may be cleaned with a damp cloth. The grille may be gently vacuumed, and stains can be removed with an aerosol cleaner, following the manufacturer's instructions. Never use any solvents to clean any part of the system.

Should your loudspeaker system ever need service, return it to the JBL dealer from whom it was purchased. If for some reason this is impractical, write directly to the JBL Customer Service Department, describing the problem as fully as possible. Do not return products to the JBL factory without prior authorization.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.